



SOF Technology Programs

Office of Advanced Technology



OVERVIEW

- USSOCOM Background
- Desired Operational Capabilities
- CINC's Perspective on Technology
- USSOCOM Technology Strategy and Programs
- Technology Areas of Interest



DESIRED OPERATIONAL CAPABILITIES

- **Personal Survivability.** Capability to improve the survivability and physiological performance of personnel
- **Counter Weapons of Mass Destruction.** Capability to detect, discriminate, and identify NBC material, detect means of delivery, and destroy and/or neutralize WMD and associated NBC material
- **Mobility Platforms.** Capability to conduct undetectable ground, air, sea, and potential space (mobility) operations in areas denied to conventional forces



DESIRED OPERATIONAL CAPABILITIES (CONT'D)

- **Leader Development.** Capability/strategy to selectively recruit, assess, and retain SOF leaders with strong legal, moral, and ethical foundations, and focus education programs to train for certainty while educating for uncertainty
- **Information Avenues.** Capability to ensure, uninterrupted information exchange, reduce an adversary's ability to use information, and influence situations to support mission accomplishment with reality manipulation techniques



DESIRED OPERATIONAL CAPABILITIES (CONT'D)

- **Sensory Enhancements.** Capability to augment human sensory systems to increase performance and improve range, resolution, and/or obscurant/material penetration
- **Organizational Design.** Capability to transform and reshape our organizational design to remain relevant and useful members of a joint team
- **Utilization of Space.** Capability to fully interface and operate within the space surveillance network



DESIRED OPERATIONAL CAPABILITIES (CONT'D)

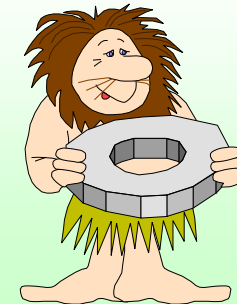
- **Remote Reconnaissance.** Capability to employ and operate miniaturized, remotely controlled strategic and tactical reconnaissance sensors
- **Versatile Weapons.** Capability to employ multirole/multipurpose weapons with target discrimination and possibly real-time, active, decision-making abilities



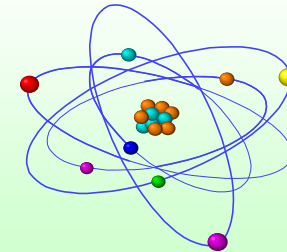
CINC's PERSPECTIVE ON TECHNOLOGY

- Leverage those critical technologies that give us a decided advantage
- Look for leap-ahead technologies that will result in revolutionary systems
- Capitalize on leading-edge technologies
- Significantly enhance the human dimension
- Leverage relevant technology projects
- Seek to infuse technology into concepts

Evolutionary



Revolutionary





USSOCOM TECHNOLOGY PROGRAMS

- SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT



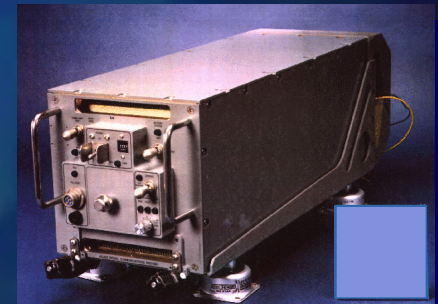
- SPECIAL OPERATIONS SPECIAL TECHNOLOGY



- SOF MEDICAL TECHNOLOGY DEVELOPMENT



- SMALL BUSINESS INNOVATIVE RESEARCH

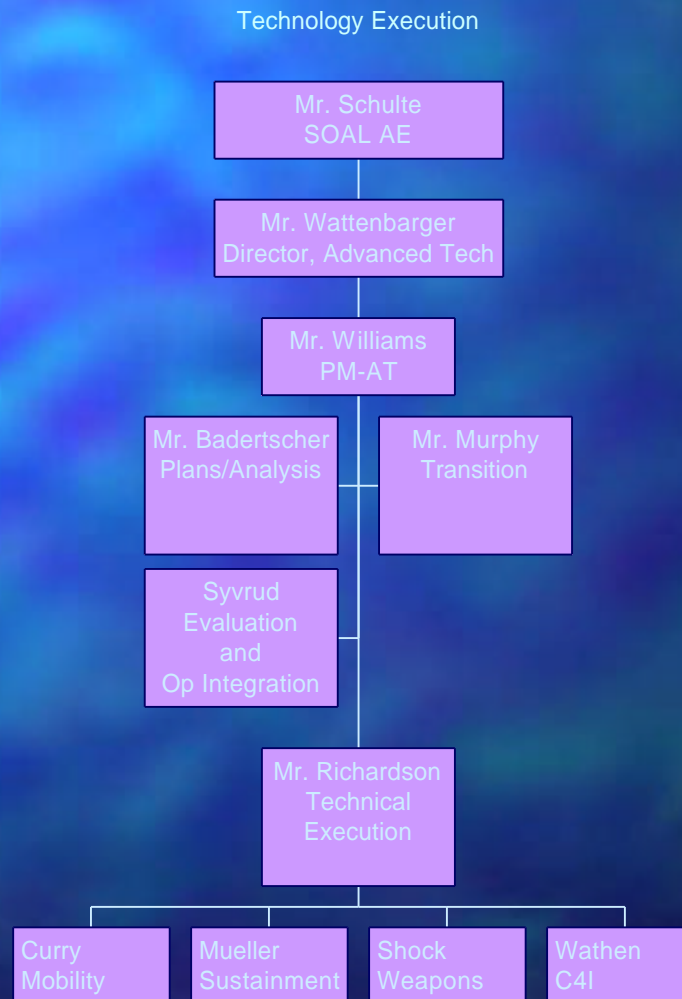




FUNCTIONAL ORGANIZATION

Located at USSOCOM,
MacDill AFB, FL

Located at
Office of Special Tech
Ft. Washington, MD





Special Operations Technology Development

6.2 like program providing laboratory/breadboard concept evaluations. Works closely with DARPA, Service Labs, FFRDS's, and DoE Laboratories.